



Immunization Branch, California Department of Public Health, 850 Marina Bay Parkway, Building P, Richmond, CA (510) 620-3737

To: Immunization Program Coordinators
California Immunization Coalition members
VFC Providers

April 2016

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CAIR 2: Bigger, Better, Faster!

If you're a California Immunization Registry (CAIR) user, you've been waiting for this news! CAIR2 is rolling out beginning in fall 2016, and it will be even better.

We're moving together to **CAIR2**

Bigger Better Faster

[Find out more.](#)

CAIR 2 will be bigger. Data from the regional registries in California will be combined. Access to patient records *statewide* means better patient care and fewer unnecessary vaccinations.

CAIR 2 will be better. Access will no longer depend on one's web browser, helping users who rely on browsers currently less compatible with CAIR. Vaccines for Children (VFC) shipping information can be linked to CAIR inventory. CAIR 2 also allows bi-directional data exchange.

CAIR 2 will be faster. CAIR2 users will *no longer wait* to revise yellow cards; data updates will appear nearly in real-time. CAIR2 users will also access reports immediately.

What do CAIR users need to know? As a first step, make sure your contact information is updated in the [CAIR portal](#) so that you get updates about the CAIR2 transition. Help desk support is an email or phone call away, Monday through Friday, 8:00 am to 5:00 pm.

When will current CAIR users transition to CAIR 2? The schedule depends on your region. The tentative transition phases are:

- **Phase 1 October 2016 (Northern CA, Greater Sacramento, Central Coast, Inland Empire)***
- **Phase 2 December 2016 (Bay Area, Central Valley)**
- **Phase 3 March 2017 (Los Angeles-Orange)**

Visit Cairweb.org to learn which region you are in and when to register for training.

*Note: All data exchange users will also transition to CAIR 2 during Phase 1.

Epi Data/Outbreaks

Campus Outbreak I: Meningococcal B (MenB) Disease

In early February two confirmed serogroup B meningococcal disease cases and one suspect case were identified at Santa Clara University (SCU). In consultation with the Santa Clara County Health Department (SCCHD) and CDPH, SCU provided antibiotic prophylaxis to more than 400 contacts of the students who shared social networks.

After the second case was reported, CDPH and SCCHD recommended that meningococcal serogroup B (MenB) vaccine be offered to the entire SCU undergraduate student population and to high-risk graduate students and staff. CDPH provided federally-funded MenB and MenACWY vaccines, which were administered by SCU and partners to over 5,000 persons in the campus community.



The first vaccination clinic was held less than 48 hours after the first two cases were confirmed. The rapid response was facilitated by SCU preparedness activities, including a recent tabletop exercise on a MenB outbreak and SCCPHD's updated incident command system protocol. The first clinic to administer the second dose of MenB vaccine has been conducted, and two others are planned in April.

Campus Outbreak II: Mumps

Mumps outbreaks have occurred recently at colleges in at least 12 states. The affected states now include California, as the University of San Diego had an outbreak in March. CDPH has sent [guidance to college health centers](#) throughout California about detecting, treating and isolating ill students—and encouraging all colleges with suspected mumps cases to contact their local health department. CDPH also provides guidance on [testing for suspected mumps](#) and [conducting a case investigation](#). A CDPH flyer, [Mumps on College Campuses](#) has been updated.



IZ Branch Begins New Pertussis Initiative

The Immunization Branch is beginning a new pertussis initiative. As recently as 2014, 530 young infants fell ill with pertussis in California, and three died. Prenatal immunization with Tdap vaccine is now the preferred strategy to protect infants who are at the greatest risk of severe and fatal disease but are too young to be vaccinated. Tdap vaccine is recommended for all pregnant women in the third trimester of

every pregnancy, so that maternal antibodies can protect newborns until they are old enough for DTaP vaccine. Anecdotal reports from prenatal care providers suggest that there are major barriers to offering Tdap, including limited provider networks and other reimbursement issues. To systematically collect information on these barriers, the Immunization Branch has developed a supplement to the standard pertussis case report form to complete when an infant <4 months of age is reported with pertussis. Gathering this data will help CDPH and partners be better advocates and support prenatal care providers in providing this standard of care. To learn more about this effort, contact Kathleen.Winter@cdph.ca.gov.

The latest pertussis data is posted on CDPH's [Pertussis Summary Reports webpage](#). In 2015, 4,683 Californians were reported with laboratory-confirmed pertussis, down from more than 11,000 cases in 2014. Of these, 198 people were hospitalized, 69% of whom were infants younger than four months of age. [Pertussis resources](#) are available for patients and communities on EZIZ.org.

Statewide IZ Campaigns

Celebrate NIIW in April!

National Infant Immunization Week (NIIW) will be observed nationwide from April 16-23, and California will celebrate Toddler Immunization Month (TIM) in May. Local health departments, coalitions, providers, and other immunization stakeholders are promoting NIIW/TIM to increase public awareness about the importance of early childhood immunizations. CDPH has developed an [online toolkit](#) that includes templates, banners, educational materials, and other resources. For more NIIW resources, visit the [CDC NIIW](#) page. For more information on NIIW/TIM in California, contact Kerdlyn.Henry@cdph.ca.gov.



April 16-23, 2016

ShotByShot.org Gets a New Look!

The California Immunization Coalition is pleased to announce that the [ShotByShot.org](#) website has a brand new look! Users will notice larger images, captivating quotes, and new testimonials. The process for requesting and receiving stories has been streamlined. Share a story, save a life! For more information, contact Tammy.Pilisuk@cdph.ca.gov.

CDPH Applauds PVW Participants

Thanks to the dedication of immunization coordinators and health educators from local health jurisdictions, [Preteen Vaccine Week](#) (PVW) 2016 was a success! We appreciate the many collaborations with school districts, immunization coalitions, local libraries, Medi-Cal Programs, WIC, and other partners. CDPH resources were used creatively to educate parents about preteen vaccines, remind health care providers of the importance of their recommendation, and help preteens receive life-saving vaccines against HPV, pertussis, flu, and bacterial meningitis.

The most popular materials used were [How Important is HPV Vaccine?](#) and [Vaccines for Your Preteen](#) flyers, and the posters

[Parents: Did You Know HPV Causes...?](#) and [Protect Their Health for the Years Ahead](#). Also popular was the new poster for adolescents, [Hey! Did You Know?](#)

For additional information about PVW, contact Jane.Pezua@cdph.ca.gov.

Vaccine News

Decreasing Prevalence of HPV Since US Introduction of Vaccine

Since the Human Papillomavirus (HPV) vaccine was introduced in 2006, there has been a 64% decrease in the prevalence of the HPV vaccine types (6, 11, 16, and 18) in females ages 14 to 19 years and a 34% decrease among those ages 20 to 24 years. [Read more](#)

The Safety of Flu Vaccines in Children: An IOM White Paper

This Institute of Medicine (IOM) review of multiple global studies on influenza vaccines concludes that they are safe for children and that serious adverse events are rare. [Read more](#)

No Increased Mortality Risk to Children, Young Adults 30 Days Post Vaccination

In a review of 2005-2011 data on patients ages 9 to 26 years in the Vaccine Safety Datalink, no deaths were found to be causally associated with vaccination. [Read more](#)

Pregnant Women's Attitudes About Flu Vaccination While Breastfeeding

Of 431 pregnant and post-partum women surveyed, about half said they had 1 to 2 concerns about getting an influenza vaccination while still breastfeeding. About a quarter said they were unlikely to get vaccinated due to their concerns. More education is needed for this target audience. [Read more](#)

Childhood Immunization ROI in Low- and Middle-Income Countries

Researchers assessed the return on investment from immunization in 94 countries from 2011 through (projected) 2020. Projected immunizations are estimated to return 16-44 times their costs. [Read more](#)

Waning Tdap Effectiveness in Adolescents

Based on over 1,200 pertussis cases, the effectiveness of one formulation of Tdap up to one year post-vaccination was about 69%, and ≥4 years post-vaccination was 9%. [Read more](#)

Provider Education

Updated VFC Temperature Logs Now Online

The Vaccines for Children (VFC) Program has harmonized the corrective actions providers must take for out-of-range [refrigerator](#) and [freezer](#) temperatures. Find all [monitoring temperature job aids](#) on EZIZ.org.

New EZIZ Lesson: Monitoring Storage Unit Temperatures

"Monitoring Storage Unit Temperatures" is a new EZIZ lesson that replaces "Monitoring Refrigerator Temperatures" and "Monitoring Freezer Temperatures." This lesson teaches how to record storage unit temperatures and take immediate corrective actions when temperatures are out of range. This lesson addresses common errors, and learners practice by completing simulated temperature logs using interactive elements. Find the new lesson on the [EZIZ.org training page](#).

Got SHOTS?

The California Vaccines for Children (VFC) Program recently launched SHOTS (Storage and Handling Triage System) to help VFC providers after temperature excursions. VFC Providers may now record temperature excursions online in SHOTS (part of MyVFCvaccines.org). SHOTS troubleshoots the incident, refers providers to manufacturers, and recommends steps to prevent similar excursions in the future.

School Immunization and Assessment News

Conditional Entrant Intervention Project

In 2014, nearly 37,000 under-vaccinated kindergarteners (roughly 6.9%) attended California schools as conditional entrants. Over 90% of these students appear to have been misclassified and should have been excluded from school.

In the Conditional Entrant Intervention Project (CEIP), local health department staff carefully reviewed data in California schools with high rates of conditional entrants, helping to decrease the number of unvaccinated or undervaccinated conditionally admitted in 2015 by 12,682 students. CEIP intervention schools with rates of ≥25% conditional entrants experienced a 17.5% mean reduction of conditional admission rates compared to 7.9% in non-intervention schools.



Lessons learned from the project:

- Focus efforts on schools with conditional entrant rates ≥25%.
- Build relationships with school staff responsible for reporting.
- Garner support from school leadership (e.g., County Office of Education, superintendent, principal).
- Utilize CDPH resources, such as the [Guide to Immunization Required for School Entry](#), the [California Immunization Handbook](#), and www.shotsforschool.org.

The Immunization Branch applauds the work of CEIP participants. The full CEIP report will be available soon; for additional information, contact Jane.Pezua@cdph.ca.gov.

2015 Immunization Assessment Reports Online

Results from the fall 2015-16 [child care](#), [kindergarten](#), and [7th grade](#) assessments of compliance with state immunization requirements are posted on the [Immunization Branch's website](#) and www.shotsforschool.org. The Branch thanks Immunization Coordinators and school staff who collected the data and completed assessment reports.



2016 Spring Selective Review will target child care facilities with high numbers of conditional entrants. For additional information, contact Kristen.Sy@cdph.ca.gov.

New Branch Staff

Anya Gutman is the Branch's new Health Educator for Adult Immunization. Before joining the Branch she worked in research and evaluation related to adolescent health at UCSF. Anya's experience also includes working with non-profits in the Bay Area and in Latin America. She earned her MPH from UCLA.

Gabriela Pasat is the Adult Immunizations Project Specialist. Previously, Gabriela worked with CDPH's Tobacco Control and Environmental Investigations Branches. She has an MD from the Univ. of Medicine and Pharmacy in Bucharest, a M.Sc. in Biochemistry from Notre Dame Univ., and an MPH from UC Berkeley.

Veenal Tamrakar is the new Applications Programmer for CAIR. Veenal has 8 years experience in data analysis, management, and migration. She completed her BS in Computer Science in India.

Rachael Campbell is a new Local CAIR Representative for the Los Angeles County region. Previously, Rachel worked at UCLA in a project supporting underserved communities. She has an MPH, an MA in physiology, and a BA in African American Studies.

Srinivasarao Veeramachaneni is our Applications Manager with the CAIR team. Sriniv previously worked on CAIR software programming. He has returned after two years to assist with the transition to CAIR 2.

Veronica Martinez is the new Jr. Field Representative for the Vaccines for Children's Bay Area region. She has been working with the Branch since 2011 with both CAIR and the VFC program.

Events, Conferences, and Observances

Date	Event	Sponsor
February 7-13	Preteen Vaccine Week	CDPH
April 1-30	Oral Cancer Month	Oral Cancer Foundation
April 16-23	National Infant Immunization Week	CDC
April 24-25 Sacramento, CA	California Immunization Coalition Summit	CIC
May 10-12 Atlanta, GA	National Adult and Influenza Summit Meeting	Immunization Action Coalition (IAC)

New Online Resources

New Materials/Online Resources	Type
Vaccine Educational Information <ul style="list-style-type: none">▪ 2016 child and adolescent immunization schedules▪ 2016 Adult immunization schedules▪ HPV related cancer survivor organization database -- find speakers for events. (National HPV Vaccine Roundtable)▪ Don't Hesitate: Talking to Your Vaccine Hesitant Loved Ones About Vaccines (Voices for Vaccines)▪ Vaccines and Teens: The Busy Social Years (Children's Hospital of Philadelphia)▪ Prenatal Tdap Vaccination Toolkit (San Francisco Department of Public Health)	<p>Schedule Schedule Spreadsheet</p> <p>Guidebook Online Booklet Guidebook</p>

Online Training/Archived Webinars

General/Misc. <ul style="list-style-type: none">▪ AFIX IIS Resources (AIRA)▪ Current Issues in Immunization NetConferences Child, Adolescent and Adult Immunization Schedules (CDC)▪ Planning for National Infant Immunization Week (VicNetwork)	
Adolescent Immunization <ul style="list-style-type: none">▪ Human Papillomavirus updated Jan 2016 (CDC)▪ Vaccine Storage and Handling updated Jan 2016 (CDC)▪ Vaccine Hesitancy, Public Health, and Evidence Based Research Conversations around HPV vaccine (#PreteenVaxScene)	
Adult Immunization <ul style="list-style-type: none">▪ The Importance of Pneumococcal Vaccination▪ Vaccines for Immunocompromised Adults (NFID)▪ Vaccinations for Healthcare Professionals (NFID)	